

THE AMERICAN CEMENT MACHINE COMPANY, INC.

Manufacturers of Concrete and Contractors' Equipment

KEOKUK, IOWA

BRANCH OFFICES AND WAREHOUSES IN PRINCIPAL CITIES

Products.

BOSS "HIGH SPEED" CONCRETE MIXERS; MORTAR MIXERS; ALLEY and STREET PAVERS.

Also "High Speed" Gasoline Hoists, Backfillers, etc.

The Boss "High Speed" Concrete Mixer.

Made of steel (Figs. 3 and 4); light weight, yet one of the strongest mixers on the market; all parts are turned out by means of special machinery and templates, thereby securing absolute accuracy, a saving of time and economy in cost; the drum, made of steel and boiler plate, is 500 to 1500 lbs. lighter but last 3 times longer than other heavier types on the market. Mixer is furnished with all necessary extras complete—steel engine housing, power loader, measuring water tank, etc. Driven by steam, gasoline or kerosene engine or electric motor.

PATENTED "HIGH SPEED" MIXING ACTION—It mixes and discharges concrete with high speed—nevertheless, with fewer drum revolutions than other designs require. A batch is mixed in 15 seconds. Each deep scoop or bucket cuts and carries mass up high and throws it with a whirling action, forcing concrete away from openings and kneading mass together in center of drum (Fig. 1). We guarantee any Boss mixer to mix mortar as well as concrete. Built in 5-, 7½-, 10-, 15- and 22-ft. sizes.

BOSS TRUNNIONS—Drum turns on 4 trunnions—the gritproof and wearproof, self-oiling type, with Hyatt heavy duty roller bearings which save 17% of power and 70% of oil used; big oil reservoir carries almost a month's supply (Fig. 2).

COUNTERSHAFT BEARING—Countershaft, of special auto steel, 40° carbon steel, has also these Hyatt heavy duty roller bearings (chrome nickel steel rollers—hollow, to hold oil), with pressed steel flange side plates and double flange shaft.

AUTOMATIC STOP POWER LOADER—One lever controls a powerful toggle clutch, the release and brake.



FIG. 1. INTERIOR ARRANGEMENT OF DRUM

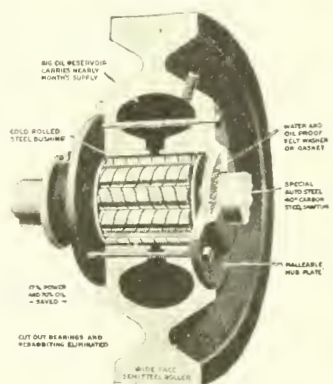


FIG. 2. HYATT ROLLER BEARINGS IN BOSS TRUNNIONS

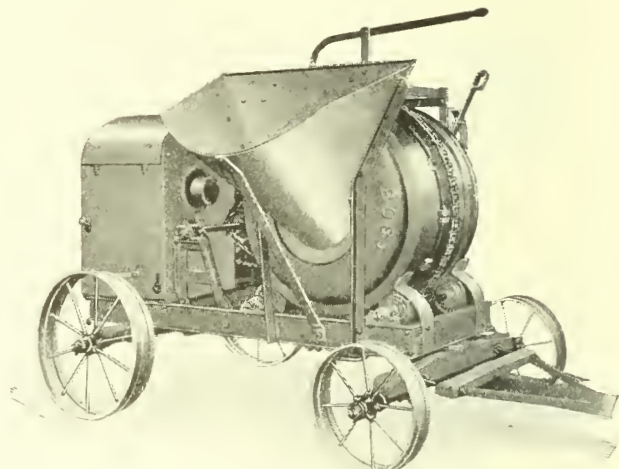


FIG. 3. HIGHWAY SPECIAL BOSS MIXER
With low measuring batch hopper; other types made with low barrow hoppers, etc. Capacity, 7½ cu. ft.

Operator throws in lever and hopper rises to its steep unloading pitch (no bumping required); then it automatically disengages clutch and throws on brake; no gears or castings; all parts except spool are crucible and mild steel; parts are readily adjustable self-oiling graphite bearings.

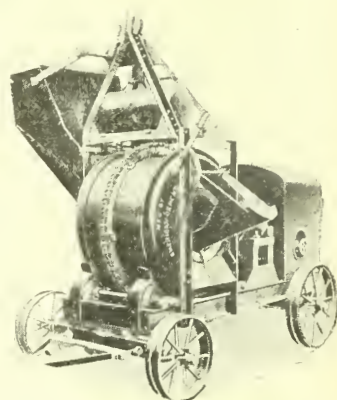


FIG. 4. PORTABLE, HEAVY DUTY 2-SACK BOSS MIXER WITH POWER LOADER

Lightweight "Lincoln Highway" Type Boss Paver.

Built of steel (Fig. 5), saving over 3,000 lbs. in weight; no cast iron gears, braces or levers; high speed mixing action; gasoline, kerosene or steam power; engine housing; automatic stop power charger; measuring pressure tank; self-oiling trunnions; two-way traction; 12-ft. sectional chute; no licensed engineer is required, except with steam power, any ordinary laborer being able to handle outfit.

This paver, with its frost-proof and dust-proof gas or kerosene engine, therefore costs \$5.00 a day less to operate than one of steam type.

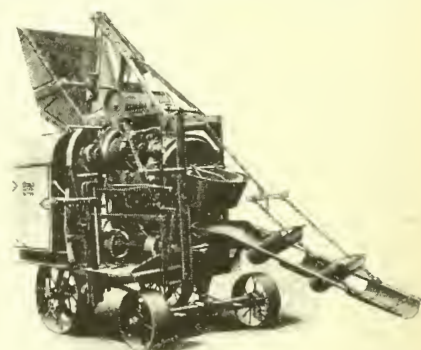


FIG. 5. "LINCOLN HIGHWAY" TYPE BOSS PAVER
Light weight; one man control